

Fig. 1. Alternative Splicing

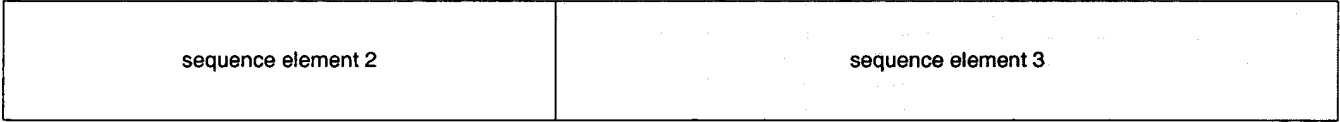
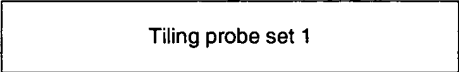


Fig. 2. Detection of Combination of Sequence Elements

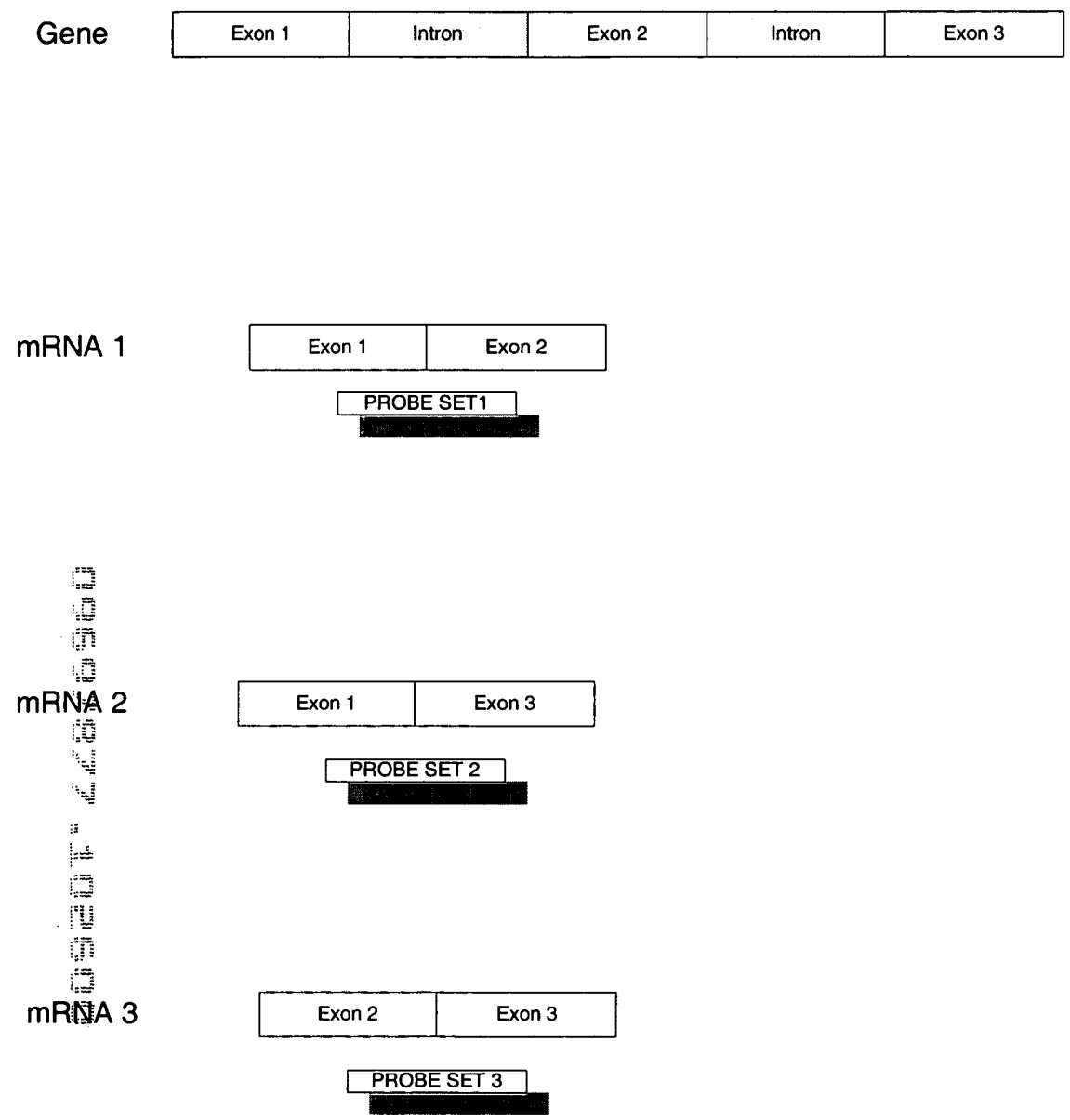
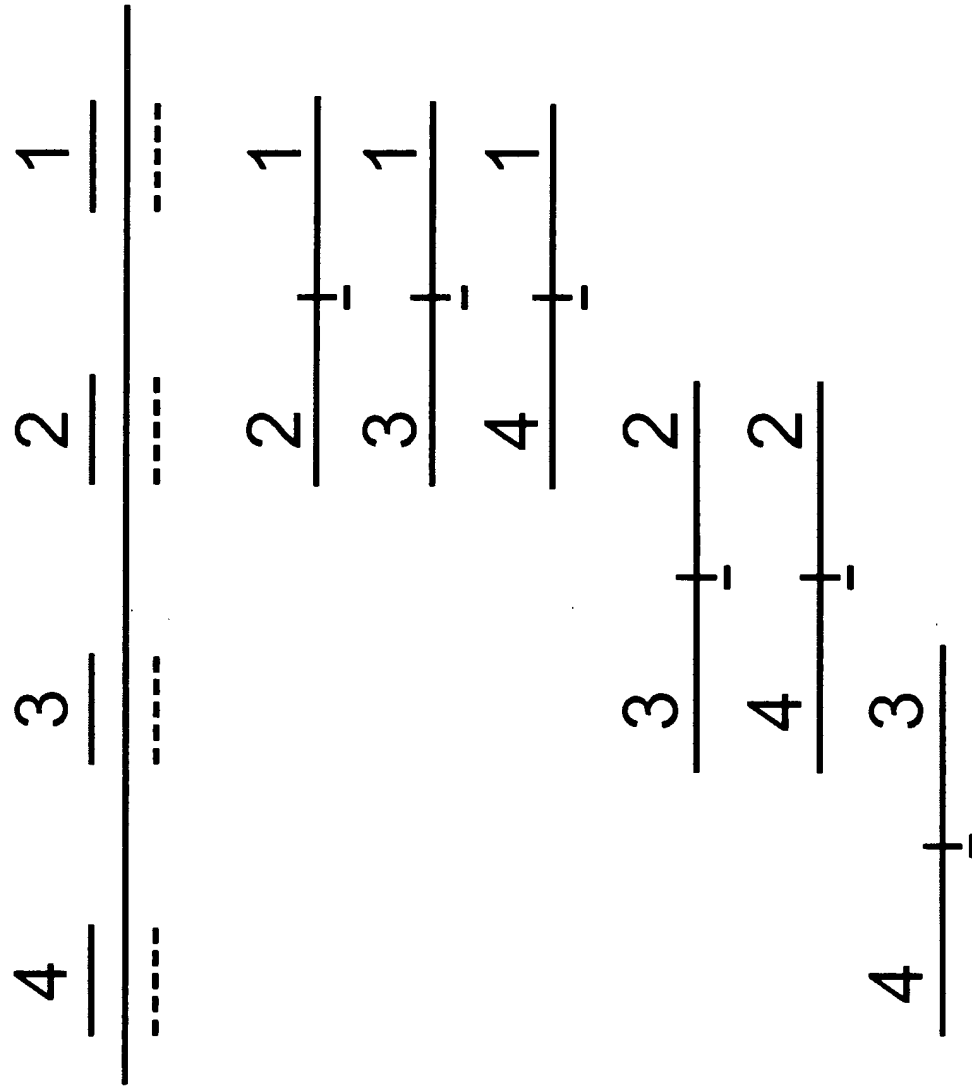


Fig. 3. Alternative Splicing Detection Using Tiling Probe Sets

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Figure 4. EXON CHIP



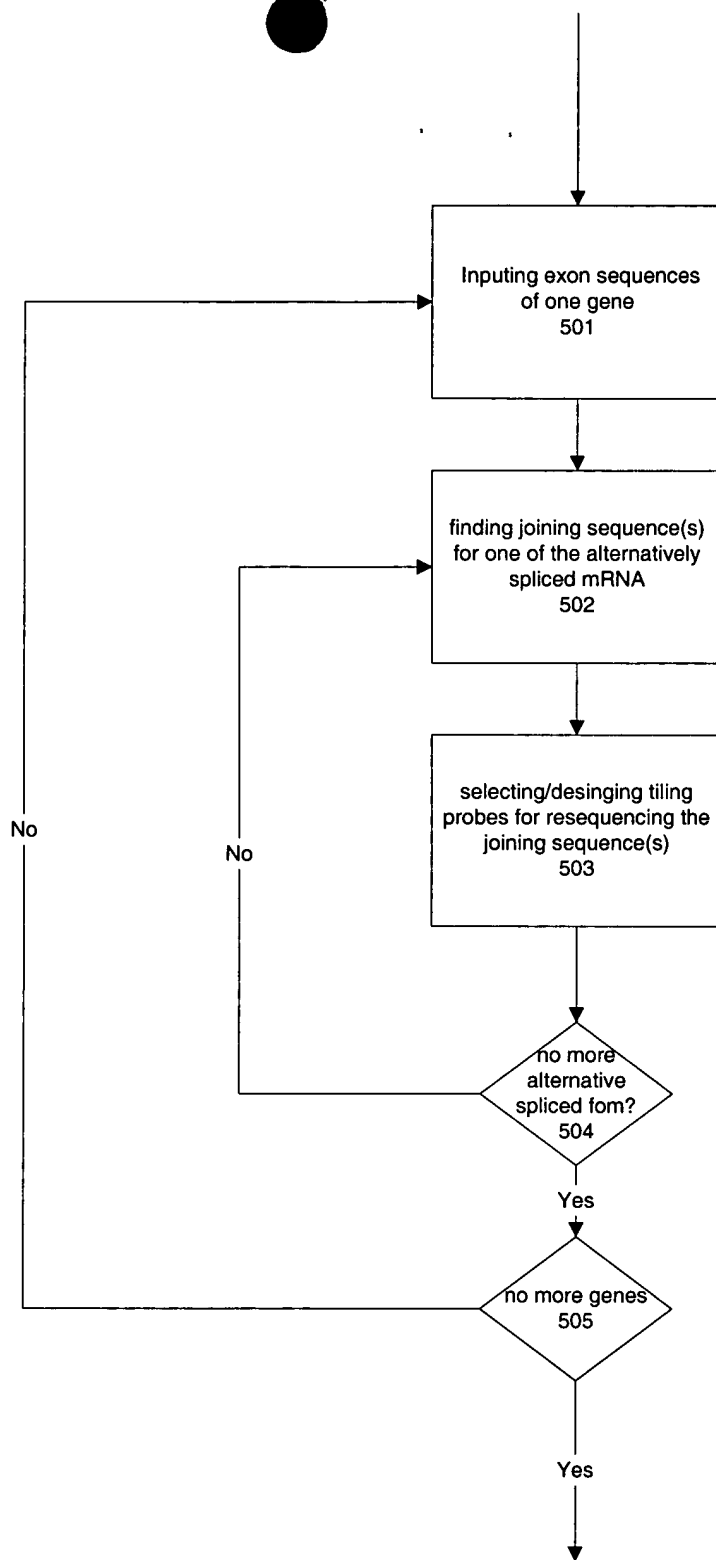


Figure 5. Algorithm for Designing Exon Tiling Probes

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graph TD
    601[inputting probe intensities  
601] --> 602[start analyzing the expression of one gene  
602]
    602 --> 603[determining exon joining sequence with tilting probe intensities  
603]
    603 --> 604[identifying forms of alternatively spliced mRNAs  
604]
    604 --> 605[quantifying the level of each of the alternatively spliced mRNA  
605]
  
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